
YAMAHA
250
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0 - GENERAL

0.1 – GENERAL DESIGN

The RAIDCO boat "RAIDCO RIB 11.00 Cabin HG" is semi-rigid and insubmersible.

It is characterised by its special deep V hull, which, together with the hull's mass and particularly low centre of gravity, gives it excellent seakeeping qualities and high performance characteristics.

The construction is very robust and can operate up to sea state 3 with no reduction in performance.

The boat can reach a speed of 38 knots with a normal load and 35 knots fully loaded in sea state 1. It can maintain a speed of 25 knots with a normal load and 20 knots fully loaded up to sea state 3.
It has a range of approximately 130 NM at maximum speed with a normal load.

The boat is built according to the following principles:

- Strong well-protected hull,
- Bow lines designed to protect the deck against the force of the sea,
- Easy engine and deck equipment maintenance,
- Use of materials resistant to salt-laden atmospheres.

The boat is designed for 5 persons.

0.2 - MISSIONS

The boat is designed to carry out patrol and rapid intervention missions in the event of external threats.

All profiles included, the annual activity rate is between 500 and 700 hours.

0.3 - PERFORMANCE

The boat's robustness, simplicity and easy maintenance ensure the required availability and a service life of at least 10 years due in particular to the excellent corrosion resistance of the hull.

The performance characteristics are as follows, with the engines lubricated by the oil recommended by the manufacturer:

- Maximum speed with a normal load:

⩾ 25 knots	in sea state 3	no wind	with a clean hull
⩾ 38 knots	in sea state 1	no wind	with a clean hull

- Maximum speed fully loaded:

⩾ 20 knots	in sea state 1	no wind	with a clean hull
⩾ 35 knots	in sea state 3	no wind	with a clean hull

0.4 - CHARACTERISTICS OF THE BOAT

0.41 – GENERAL CHARACTERISTICS

The boat has a forward collision bulkhead in accordance with the French Merchant Navy regulations.

The hull is well protected against shocks. An inflatable fender in hypalon-neoprene is fitted flush with the deck between the bows and the stern on each side.

0.42 – PRINCIPAL DIMENSIONS

- Length overall	11.160 m
- Length of hull	9.321 m
- Length at the waterline (approx)	8.345 m approx.
- Maximum beam	3.520 m
- Hull beam	2.920 m
- Maximum draught when stopped	0.860 m approx. (outdrives down)
- Maximum draught when stopped	0.600 m approx. (outdrives up)
- Midship depth	0.700 m
- Installed power	2 x 184 kW
- Lightship displacement	4,300 t approx.
- Maximum full load displacement	5,525 t approx.

0.5 – WEIGHT ESTIMATE/DEADWEIGHT

0.51 – TANKS

The boat is equipped with the following tanks:

	Volume	Density
Fuel	2 x 0,300 m^3	0,775
Fresh water	1 x 0.060 m^3	1,000

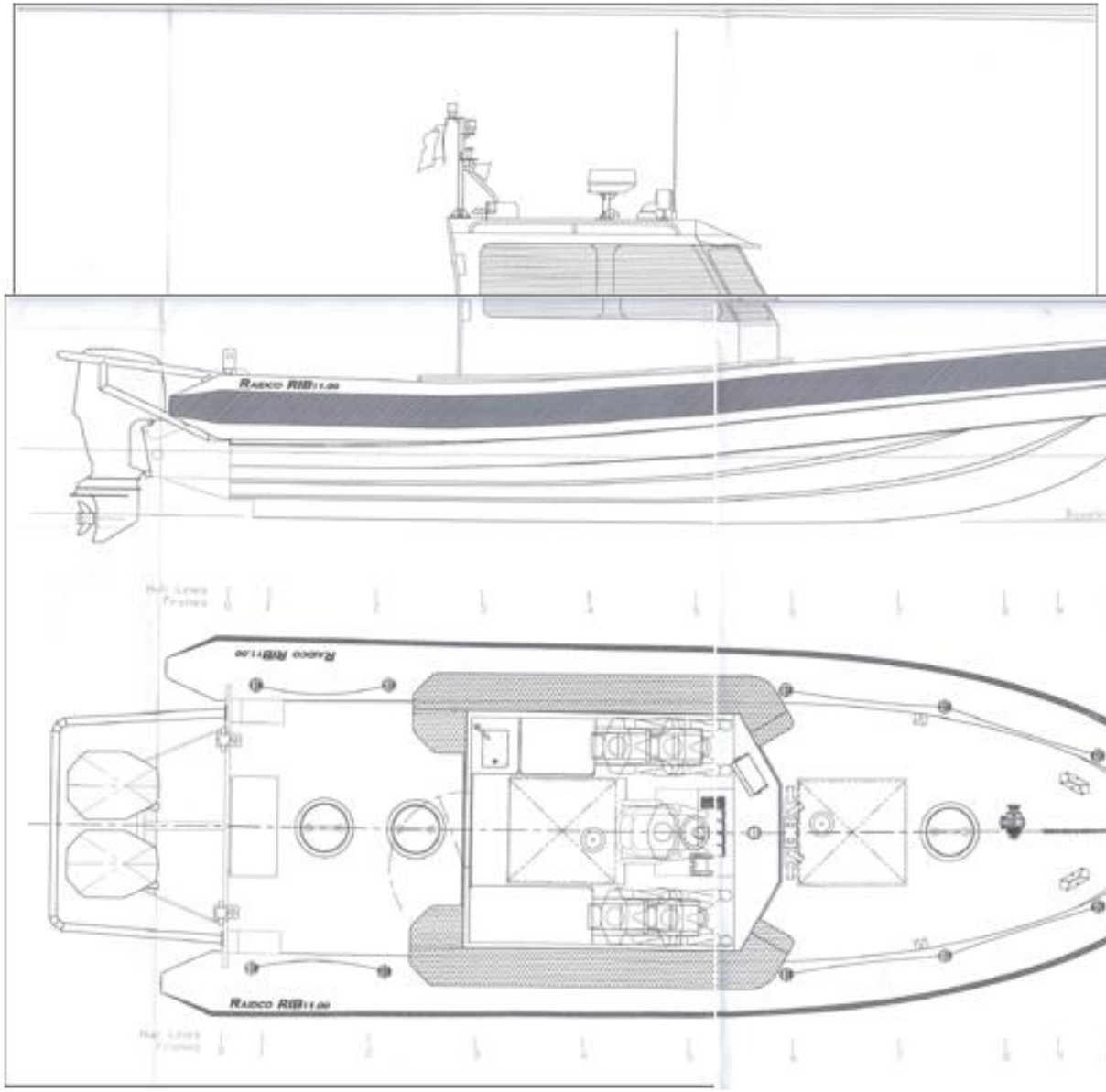
0.52 – WEIGHT ESTIMATE

The full load displacement is broken down as follows:

- Lightship	**4,300 t approx.**	100%	including the engines and fluids
- Crew (5 x 100kg)	0,500 t	100%	
- Shipowner's equipment	0,200 t	100%	maximum planned capacity
- Fresh water	0,060 t	100%	maximum planned capacity
- Combustible	0,465 t	100%	maximum planned capacity
- Deadweight	**1,225 t**		
- Maximum displacement	**5,525 t approx.**		

The boat described above is taken to be: Lightship with all the outfit furnishings and fittings (MMA).

As the performance of this type of boat is particularly sensitive to weight, the Manufacturer reserves the right, during the course of the design detail studies, to investigate and discuss with the Procurement department solutions allowing the boat's weight to be reduced.



MAIN CHARACTERISTICS

Length overall	**11,160 m**
Hull length	**9,321 m**
Waterline length	**8,345 m approx.**
Beam overall	**3,520 m**
Hull beam	**2,926 m**
Depth	**0,700 m**

RAIDCO RIB 11.00 CABIN HG CREW BOAT

GENERAL ARRANGEMENT

04			
03			
02			
01			
00			

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N° Classification :	Armateur	Dessiné par : JL	Echelle : 1/25
Approuvé le :			